

## ABSTRACT

An optical device and a projector having the same is provided, which has a liquid-crystal display 400 having, on an exit side, a first exit polarizer plate 920 and a second exit polarizer plate 934 arranged thermally insulated from each other by separated in an optical axis direction, the first exit polarizer plate 920 being bonded on a first heat conductor plate 926 bonded on an incident surface of a color-combining optical unit 500 while the second exit polarizer plate 934 being bonded on a second heat conductor plate 936 held by a polarization-plate holding frame 904, whereby, by heat release through respective independent routes, it is possible to suppress the deterioration due to the temperature rise on the exit polarizer plates and liquid-crystal display.

[Selected Drawing] Fig. 3

FIG. 11

- a. INCIDENT POLARIZER PLATE
- b. LIQUID-CRYSTAL PANEL
- c. EXIT POLARIZER PLATE